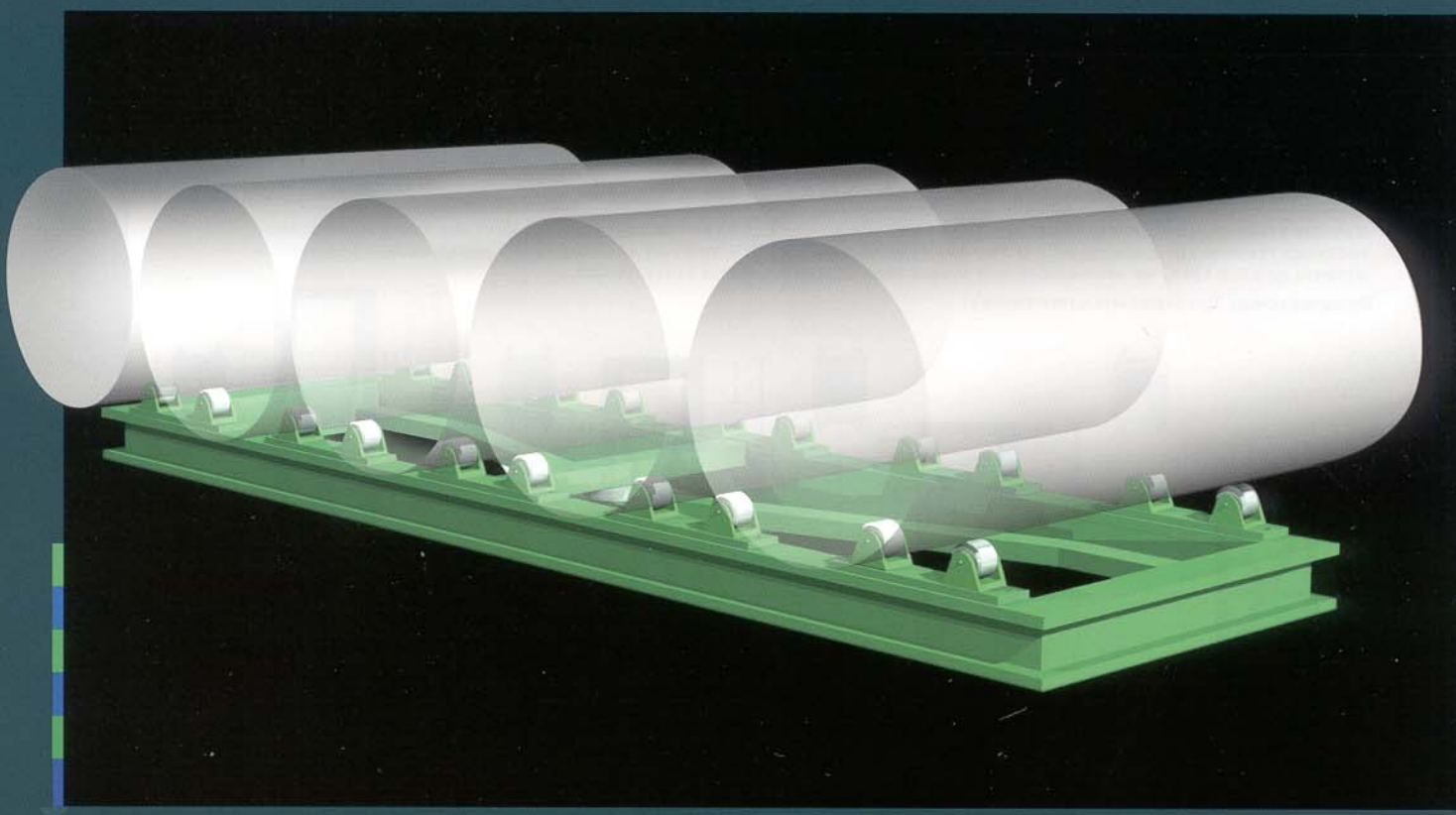
MULTIPLE ELECTRONIC CHLOR-SCALE®

FOR 3 – 6 TON CONTAINERS

BULLETIN 402



- 4-20 MA SIGNAL, LOW LEVEL ALARM, RS485/RS232
- EXTREMELY ACCURATE
- 2 PART EPOXY PAINT
- HEAVY DUTY ROLLER TRUNNIONS
- RETROFIT EXISTING HYDRAULIC SCALES
- 5 YEAR LIMITED WARRANTY

OUR WIZARD 4000 WEIGHT INDICATOR SIMULTANEOUSLY MONITORS REMAINING CHEMICALS, FEED RATES AND USAGES ON UP TO 4 SEPARATE MULTIPLE CHLOR-SCALES.

THE MULTIPLE ELECTRONIC CHLOR-SCALE WAS DEVELOPED TO ACCOMMODATE LARGE MUNICIPAL WATER AND WASTEWATER PLANTS WHERE MULTIPLE TON CONTAINERS ARE MANIFOLDED TOGETHER IN ORDER TO SATISFY HIGHER CHEMICAL DEMANDS. THE PLATFORM'S BUILT IN ROLLER TRUNNIONS SAFELY CRADLE THE TON CONTAINERS AND ALLOW THE OPERATOR TO ROTATE THE TANK TO POSITION THE VALVES FOR PROPER FEEDING.

A UNIQUE PATENTED DESIGN USES A LEVER SYSTEM TO TRANSFER LOAD TO A SINGLE SHEAR BEAM LOAD CELL. BY USING ONLY A SINGLE LOAD CELL, WE HAVE CREATED AN INCREDIBLY SIMPLE WEIGHING DEVICE THAT ELIMINATES THE NEED FOR SUMMING BOXES, LOAD CELL BALANCING AND THE OTHER INSTALLATION PROCEDURES THAT GO ALONG WITH MULTIPLE LOAD CELL SYSTEMS. IN ADDITION, THIS EXTREMELY ACCURATE NTEP CERTIFIED LOAD CELL CAN DETECT VERY SMALL CHANGES IN WEIGHT WHICH MAKES IT IDEAL FOR APPLICATIONS THAT REQUIRE A HIGH DEGREE OF ACCURACY.

OUR WIZARD 4000* INDICATOR IS HOUSED IN A NEMA 4X ENCLOSURE AND MONITORS CHEMICAL REMAINING IN THE TANKS, DAILY USAGES, AND FEED RATES TO GIVE YOU SUPERIOR CONTROL OF YOUR GAS FEED SYSTEM. THE SCALE COMES PRE - CALIBRATED AND THE INSTALLATION IS EXTREMELY SIMPLE WITH NO PIT OR SPECIAL INSTALLATION PERSONNEL REQUIRED.

*SEE WIZARD 4000 BROCHURE

FORCE FLOW EQUIPMENT

OVER 25 YEARS OF EXPERIENCE

MULTIPLE ELECTRONIC CHLOR-SCALE®

MODELS AND ORDERING INFORMATION

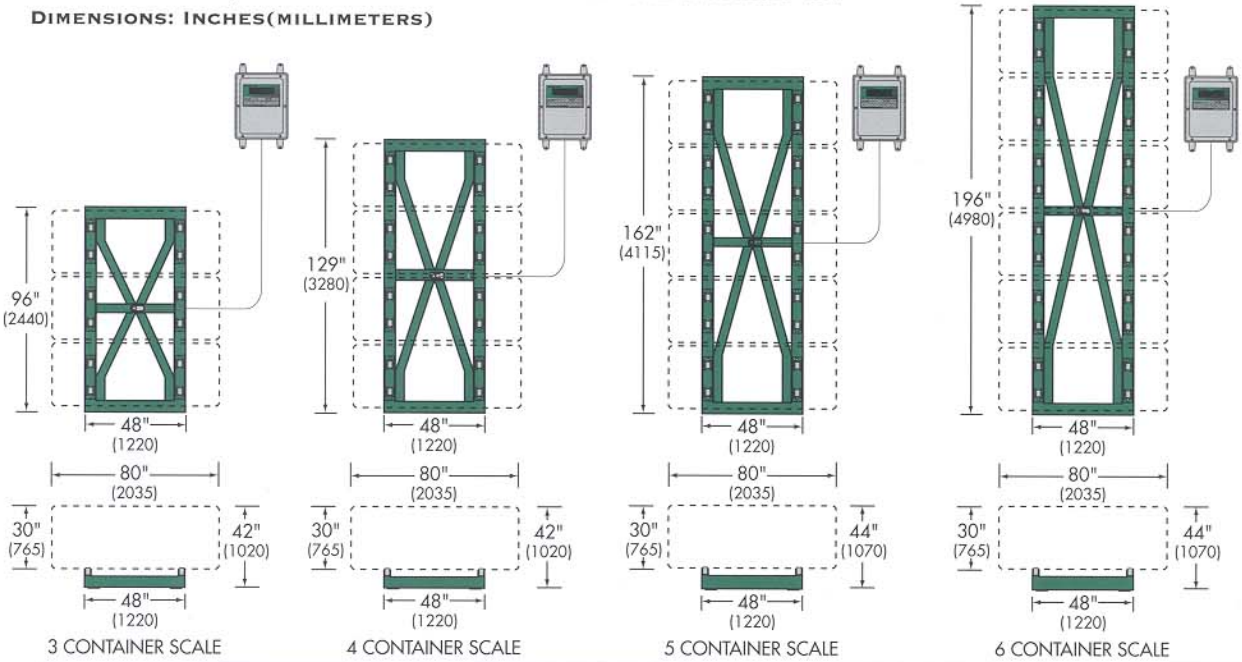
STANDARD MODELS ARE SIZED TO ACCEPT TON CONTAINERS WITH APPROXIMATELY 2000 LBS CHEMICAL AND1600 LBS TARE WEIGHT. SCALES COME STANDARD WITH LOAD CELL AND 20 FEET OF CABLE. FOR LENGTHS OVER 20 FT., HOLD DOWN CHAINS, NON STANDARD SIZE TANKS OR RS485/RS232 SIGNALS PLEASE CONSULT FACTORY. WIZARD 4000 INDICATORS CAN BE USED WITH UP TO 4 ELECTRONIC CHLOR-SCALES (SEE WIZARD BROCHURE). METRIC EQUIVALENT READOUTS ARE AVAILABLE AT NO EXTRA CHARGE.

MODEL	# OF CONTAINERS	CAPACITY	STANDARD INCREMENTS
DR120 (DR60K)	3	12,000 LBS (6000KG)	5 LB. (2KG)
DR160 (DR80K)	4	16,000 LBS (8000KG)	5 LB. (2KG)
DR200 (DR100K)	5	20,000 LBS (10000KG)	5 LB. (2KG)
DR240 (DR120K)	6	24,000 LBS (12000KG)	5 LB. (2KG)

METRIC MODELS SUITABLE FOR 864, 907 & 1000 KG. TANKS

SPECIFYING GUIDELINES: THESE MULTIPLE TANK SCALES ARE DESIGNED FOR SYSTEMS THAT HAVE ALL TANKS MANIFOLDED TOGETHER FEEDING SIMULTANEOUSLY. IF YOU ARE FEEDING ONE TANK AT A TIME, OR ARE CONCERNED ABOUT KNOWING INDIVIDUAL WEIGHTS OF EACH TANK, WE RECOMMEND OUR SINGLE TANK SCALES FOUND ON BULLETIN 401.

DIMENSIONS: INCHES(MILLIMETERS)



TYPICAL SPECIFICATION FOR ELECTRONIC MULTIPLE CHLORINE AND SO_2 TON CONTAINER SCALE

SPECIFICATIONS

A QUANTITY OF _____CHLORINE/SO_2 SCALES SHALL BE PROVIDED AND SHALL BE OF THE DIGITAL READOUT/ELECTRONIC LOAD CELL TYPE. SCALE FRAME SHALL HAVE A 2-PART EPOXY FINISH AND BE SIZED TO ACCEPT _____(3, 4, 5, OR 6) 2,000 LB. CONTAINERS. THE FRAME SHALL HAVE THE REQUIRED NUMBER OF HEAVY DUTY BRONZE BUSHED BEARING TRUNNIONS INSTALLED FOR EACH CONTAINER TO ALLOW EASY CONTAINER ROTATION. SCALE SHALL BE OF SUCH A SIZE THAT IT IS WITHIN THE DIMENSIONS OF THE TANK(S) IT SUPPORTS.

SCALE SHALL BE OF THE SINGLE LOAD CELL DESIGN. WEIGHT SHALL BE TRANSFERRED VIA LEVERS TO A SINGLE, NTEP APPROVED LOAD CELL OF THE SHEAR BEAM STRAIN GAUGE TYPE. FLEXIBLE CABLE SHALL CONNECT LOAD CELL TO INDICATOR TO ALLOW EASY REMOTE INSTALLATION OF THE READOUT. CABLE LENGTH SHALL BE _____ (20' STANDARD).

INDICATOR SHALL BE HOUSED IN A NEMA 4X, UL APPROVED ENCLOSURE. INDICATOR SHALL INDEPENDENTLY MONITOR _____(UP TO 4) SCALES OF THE SAME CAPACITY, AS WELL AS MONITOR THE TOTALS OF _____(UP TO 4) SCALES. EACH CHANNEL SHALL HAVE A USER SELECTABLE, TWO DIGIT SCALE ID NUMBER AND SHALL DISPLAY NET REMAINING, DAILY USAGE, TOTAL AMOUNT USED, RATE OF FEED, DAYS UNTIL EMPTY, TARE WEIGHT AND GROSS WEIGHT. A DATA LOG FUNCTION SHALL STORE THE DAILY USAGE FOR EACH OF THE PREVIOUS TEN DAYS.

DUAL SCALE DISPLAY SHALL BE A 2 LINE, 16 CHARACTERS PER LINE, ALPHA-NUMERIC LCD DISPLAY WITH BACK LIGHTING. INDICATOR SHALL BE EQUIPPED WITH A 10 KEY NUMERIC PAD WITH TACTILE AND AUDIBLE FEEDBACK FOR EASY ENTRY OF TARE AND LOW-LEVEL VALUES. ALL FUNCTIONS SHALL BE MENU PROMPTED FOR EASE OF OPERATION.

A USER SELECTABLE OPERATION MODE SHALL ALLOW THE OPERATOR TO AUTOMATICALLY LOAD THE NET WEIGHT OF A FULL CONTAINER OR MANUALLY ENTER TANK TARE WEIGHT TO DISPLAY THE NET CHEMICAL WEIGHT.

FULL SCALE ACCURACY SHALL BE BETTER THAN 1/4 OF 1%. INDICATOR SHALL BE READABLE IN _____LB. INCREMENTS. SCALE SHALL BE CHLOR-SCALE MODEL DR_____ AND DIGITAL DISPLAY SHALL BE WIZARD 4000 ELECTRONIC INDICATOR* MANUFACTURED BY FORCE FLOW EQUIPMENT.

OPTIONAL FEATURES

A REPORT PRINTING FUNCTION SHALL AUTOMATICALLY AND MANUALLY SEND DATA WITH A TIME AND DATE STAMP THROUGH A RS232 OR RS485 PORT TO A REMOTE PRINTER.

EACH CHANNEL (SCALE) SHALL HAVE AN INDEPENDENT, ADJUSTABLE, 4-20MA SIGNAL (NET WEIGHT OR FEED RATE).

EACH CHANNEL (SCALE) SHALL HAVE AN ADJUSTABLE LOW-LEVEL ALARM RELAY CONTACT.

*PLEASE SEE WIZARD 4000 BULLETIN FOR INDICATOR SPECIFICATIONS AND DIMENSIONAL INFORMATION. ALL SPECIFICATIONS ARE AVAILABLE ON WORD PERFECT® AND AUTOCAD®.

www.hydramet.com.au

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